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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.12.b 12 O'Clock (PEER 13) Gate Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.10		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
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Approved: _____ *Signature on File* _____
 Collider-Accelerator Department Chairman Date

V. Castillo

4.120.12.b 12 O'Clock (PEER 13) Gate Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title: _____ Checksum: _____

Division B Software Filename and Checksum: Title: _____ Checksum: _____

Initial testing complete:

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Test results reviewed by:

Safety Section Head's Name (Print): _____ Life Number: _____

Safety Section Head's Name (Sign): _____ Date: ____/____/____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print): _____ Life Number: _____

RSC Member's Name (Sign): _____ Date: ____/____/____

1.1 CONDUCT Visual check on **Peer 13** gates following Table-1, below

Gate	Micro Switch		Elec Wiring	Gate Box	Lights	Gate Functions			Verify all x's Corr.	Inspn O.K. Init.
	Align	Opern				Open	Self-Closing	Latch		
11GS1I									<input type="checkbox"/>	
11GS1O									<input type="checkbox"/>	
11EL1									<input type="checkbox"/>	
11GI1									<input type="checkbox"/>	
11MD1									<input type="checkbox"/>	
11ED1									<input type="checkbox"/>	
11MD2									<input type="checkbox"/>	
12MD1									<input type="checkbox"/>	
12MD2									<input type="checkbox"/>	
12GE1									<input type="checkbox"/>	
12GI1									<input type="checkbox"/>	
12EL1									<input type="checkbox"/>	
12ED1									<input type="checkbox"/>	
1GS1									<input type="checkbox"/>	

Legend: Tick = O.K. x = Problem N/A = Not Applicable

Table 1: Summary of Physical Inspection of Peer 13 Gates

- 1.2 Test INNER GATE at 11GS1:**
- ☐ **VERIFY** Gate has been inspected
 - ☐ **PLACE PEER 13** in **Restricted Access (Mode 8)** **MODE 8**
 - ☐ **VERIFY** **PEER 13** is in **Restricted Access**
 - ☐ **PLACE** **PEER 13** in **Controlled Access (MODE 16)** **MODE 16**
 - ☐ **VERIFY** **PEER 13** is in **Controlled Access**
 - ☐ **VERIFY** The warning lights and **LED message** on both sides of the gate indicate: **Stop Call MCR for Access X-7400 Stop** **ON**
 - ☐ **OPEN** The gate
 - ☐ **VERIFY** MCR sees the gate is **OPEN**
 - ☐ **HOLD** Both of the PEER 13 gate micro switches **MADE**
 - ☐ **VERIFY** MCR sees the gate is **CLOSED**
 - ☐ **RELEASE** Div A PEER 13 micro switch
 - ☐ **VERIFY** MCR indicates **Div A** **OPEN**
 - ☐ **HOLD** Both of the PEER 13 gate micro switches **MADE**
 - ☐ **VERIFY** MCR sees the gate is **CLOSED**
 - ☐ **RELEASE** Div B PEER 13 micro switch
 - ☐ **VERIFY** MCR indicates **Div B** **OPEN**
 - ☐ **CLOSE** The gate
 - ☐ **VERIFY** MCR sees the gate is **CLOSED**
 - ☐ **VERIFY** The **11Z1** gate box Gate Reset light is **OFF**
 - ☐ **RESET** The gate with #15 RC Sweep key at **11Z1** inner gate box
 - ☐ **VERIFY** MCR sees the gate is **RESET**
 - ☐ **VERIFY** The **11Z1** gate box Gate Reset light is **ON**
 - ☐ **OPEN** The gate
 - ☐ **VERIFY** MCR sees the gate is **OPEN**
 - ☐ **VERIFY** The **11Z1** gate box Gate Reset light is **OFF**
 - ☐ **CLOSE** The gate
 - ☐ **PLACE** **PEER 13** in **Controlled Access (MODE 17)** **MODE 17**
 - ☐ **VERIFY** **PEER 13** is in **Controlled Access**
 - ☐ **VERIFY** The warning lights and **LED message** on both sides of the gate indicate: **Stop Call MCR for Access X-7400 Stop** **ON**
 - ☐ **PLACE** **PEER 13** in **Restricted Access (Mode 8)** **MODE 8**
 - ☐ **VERIFY** **PEER 13** is in **Restricted Access**
 - ☐ **VERIFY** The warning lights and **LED message** on both sides of the gate indicate: **Access Permitted** **ON**
 - ☐ **PLACE** **PEER 13** in **Safe Access (Mode 2)** **MODE 2**
 - ☐ **VERIFY** **PEER 13** is in **Safe Access**
 - ☐ **VERIFY** The warning lights and **LED message** on both sides of the gate indicate: **Stop Call MCR for Access X-7400 Stop** **ON**
 - ☐ **CHECK** for test acceptance of **INNER GATE** at **11GS1**

1.3 Test OUTER GATE at 11GS1:

- | | | | |
|--------------------------|----------------|---|----------------|
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning lights on both sides of the gate indicate:
CALL MCR FOR CROSSOVER AMBER | ON |
| | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | HOLD | Both of the PEER 13 gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div A PEER 13 micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the PEER 13 gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div B PEER 13 micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | CLOSE | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
- ☐ **CHECK** for test acceptance of **OUTER GATE** at **11GS1**

1.4 Test ESCAPE DOOR at 11EL1:

- | | | | |
|--------------------------|----------------|---|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The door cannot be opened from the outside | |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| | SECURE | The Security Bar micro switch | MADE |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div A door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div B door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | The Security Bar micro switch | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| | CLOSE | The door and latch the Security Bar | |
| <input type="checkbox"/> | VERIFY | The 11EL1 Door Reset light is | OFF |
| | RESET | The Door with #15 RC Sweep key at 11EL1 gate box | |
| <input type="checkbox"/> | VERIFY | MCR sees the 11EL1 door is | RESET |
| <input type="checkbox"/> | VERIFY | The 11EL1 Door Reset light is | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| <input type="checkbox"/> | VERIFY | The 11EL1 gate box Gate Reset light is | OFF |
| | CLOSE | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| <input type="checkbox"/> | VERIFY | The 11EL1 gate box Gate Reset light is | OFF |
- ☐ **CHECK** for test acceptance of **ESCAPE DOOR** at **11EL1**

1.5	Test of INNER GATE at 11GI1		
<input type="checkbox"/>	VERIFY	INNER Gate at 11GI1 has been inspected	
	PLACE	PEER 13 in Controlled Access (MODE 16)	
<input type="checkbox"/>	VERIFY	PEER 13 is in Controlled Access	MODE 16
<input type="checkbox"/>	VERIFY	The warning lights and LED message on both sides of the gate indicate: Stop Call MCR for Access X-7400 Stop	ON
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Controlled Access light is	ON
	OPEN	Gate 11GI1 with Simultaneous Release and #14 CA Key	
<input type="checkbox"/>	VERIFY	Simultaneous Release Buzzer	SOUNDS
<input type="checkbox"/>	VERIFY	Gate 11GI1 is	OPEN
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
	SECURE	The Electric Strike micro switch	MADE
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	Div A micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates	DIV A ≠ DIV B
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	Div B micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates	DIV A ≠ DIV B
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	The Electric Strike micro switch	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
	CLOSE	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Gate Reset light is	OFF
	RESET	The gate with #15 RC Sweep key at 12Z1 inner gate box	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	RESET
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Gate Reset light is	ON
	OPEN	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Gate Reset light is	OFF
	CLOSE	The gate	
	PLACE	PEER 13 in Controlled Access (MODE 17)	
<input type="checkbox"/>	VERIFY	PEER 13 is in Controlled Access	MODE 17
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Controlled Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights and LED message on both sides of the gate indicate: Stop Call MCR for Access X-7400 Stop	ON
	OPEN	Gate 11GI1 from 12Z1 with the #14 RC CA key and Simultaneous Release	
<input type="checkbox"/>	VERIFY	Gate 11GI1 is	OPEN
	CLOSE	Gate 11GI1	
	PLACE	PEER 13 in Restricted Access (Mode 8)	
<input type="checkbox"/>	VERIFY	PEER 13 is in Restricted Access	MODE 8
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Restricted Access light is	ON

- | | | | |
|--------------------------|---------------|---|-------------------|
| <input type="checkbox"/> | VERIFY | The warning lights and LED message on both sides of the gate indicate: Access Permitted | ON |
| <input type="checkbox"/> | VERIFY | Attempt to open gate 11GI1 with S key is | SUCCESSFUL |
| <input type="checkbox"/> | VERIFY | Attempt to open Gate 11GI1 with #14 RC CA key is | SUCCESSFUL |
| <input type="checkbox"/> | VERIFY | Attempt to open 11GI1 with Blue card | SUCCESSFUL |
| <input type="checkbox"/> | VERIFY | Attempt to open 11GI1 with Expt. _____ card | FAIL |
| <input type="checkbox"/> | VERIFY | During attempt with Expt. Card Reader light is | RED |
| | PLACE | PEER 13 in Safe Access (Mode 2) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Safe Access | MODE 2 |
| <input type="checkbox"/> | VERIFY | The 12Z1 gate box Controlled Access light is | ON |
| <input type="checkbox"/> | VERIFY | The warning light on 11Z1 side of the gate indicates: CALL MCR FOR CROSSOVER AMBER | ON |
| | OPEN | Gate 11GI1 with Simultaneous Release and S Key | |
| <input type="checkbox"/> | VERIFY | Attempt to open gate 11GI1 with Simultaneous Release and S Key | FAIL |
| | OPEN | Gate 11GI1 with Simultaneous Release and #14 CA Key | |
| <input type="checkbox"/> | VERIFY | Gate 11GI1 is | OPEN |
| | CLOSE | Gate 11GI1 | |
| <input type="checkbox"/> | CHECK | for test acceptance of INNER GATE at 11GI1 | |

1.6 Test OUTER GATE at 11GI1:

- | | | | |
|--------------------------|----------------|---|----------------|
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning lights on both sides of the gate indicate: CALL MCR FOR CROSSOVER AMBER | ON |
| | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | SECURE | The Electric Strike micro switch | MADE |
| | HOLD | Both of the gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div A micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div B micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | HOLD | Both of the gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | The Electric Strike micro switch | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | CLOSE | Outer Gate 11GI1 | |

- ☐ **CHECK** for test acceptance of **OUTER GATE** at **11GI1**

- 1.7 Test of MAGNET TRANSPORT DOOR at 11MD1**
- ☐ **VERIFY** Gate has been inspected
 - ☐ **PLACE PEER 13 in Controlled Access (MODE 16)**
 - ☐ **VERIFY PEER 13 is in Controlled Access** **MODE 16**
 - ☐ **OPEN 11MD1 Left door (LD)**
 - ☐ **VERIFY** MCR sees **11MD1** is **OPEN**
 - ☐ **HOLD** Both **LD** micro switches **MADE**
 - ☐ **VERIFY** MCR sees the **11MD1** is **CLOSED**
 - ☐ **RELEASE Div A micro switch for LD**
 - ☐ **VERIFY** MCR sees 11MD1 **Div A** **OPEN**
 - ☐ **HOLD** Both **LD** micro switches **MADE**
 - ☐ **VERIFY** MCR sees **11MD1** is **CLOSED**
 - ☐ **RELEASE Div B micro switch for LD**
 - ☐ **VERIFY** MCR indicates **Div B** **OPEN**
 - ☐ **CLOSE 11MD1 left door**
 - ☐ **VERIFY** MCR sees **11MD1** is **CLOSED**
 - ☐ **RELEASE Div A micro switch for RD**
 - ☐ **VERIFY** MCR sees 11MD1 **Div A** **OPEN**
 - ☐ **HOLD** Both **RD** micro switches **MADE**
 - ☐ **VERIFY** MCR sees **11MD1** is **CLOSED**
 - ☐ **RELEASE Div B micro switch for RD**
 - ☐ **VERIFY** MCR sees 11MD1 **Div B** **OPEN**
 - ☐ **CLOSE RD for 11MD1**
 - ☐ **VERIFY** MCR sees **11MD1** is **CLOSED**
 - ☐ **VERIFY** The **11MD1** Gate Reset light is **OFF**
 - ☐ **RESET** The gate with **#15 RC** Sweep key
 - ☐ **VERIFY** MCR sees **11MD1** is **RESET**
 - ☐ **VERIFY** The **11MD1** Gate Reset light is **ON**
 - ☐ **OPEN 11MD1**
 - ☐ **VERIFY** MCR sees **11MD1** is **OPEN**
 - ☐ **VERIFY** The **11MD1** Gate Reset light is **OFF**
 - ☐ **CLOSE 11MD1**
 - ☐ **CHECK** for test acceptance of **MAGNET TRANSPORT DOOR at 11MD1**

1.8 Test of EXIT DOOR 11ED1

- | | | | |
|--------------------------|----------------|--|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| <input type="checkbox"/> | VERIFY | The door cannot be opened from the outside | |
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning light inside the gate indicates: | |
| | | CALL MCR FOR EXIT AMBER | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | Div A door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | Div B door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | CLOSE | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| <input type="checkbox"/> | VERIFY | The 11ED1 Door Reset light is | OFF |
| | RESET | The Door with #15 RC Sweep key at 11ED1 gate box | |
| <input type="checkbox"/> | VERIFY | MCR sees the 11ED1 door is | RESET |
| <input type="checkbox"/> | VERIFY | The 11ED1 Door Reset light is | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| <input type="checkbox"/> | VERIFY | The 11ED1 gate box Gate Reset light is | OFF |
| | CLOSE | The door | |
| <input type="checkbox"/> | CHECK | for test acceptance of ESCAPE DOOR at 11ED1 | |

1.9 Test of TUNNEL DOOR at 11MD2

- | | | | |
|--------------------------|----------------|---|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | HOLD | Both gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div A micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div B micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | CLOSE | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| <input type="checkbox"/> | VERIFY | The gate box Gate Reset light is | OFF |
| | RESET | The gate with #15 RC Sweep key | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | RESET |
| <input type="checkbox"/> | VERIFY | The gate box Gate Reset light is | ON |
| | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| <input type="checkbox"/> | VERIFY | The gate box Gate Reset light is | OFF |
| | CLOSE | The gate | |

- ☐ **CHECK** for test acceptance of **TUNNEL DOOR** at **11MD2**

1.10 Test of TUNNEL DOOR at 12MD1

- | | | | |
|--------------------------|----------------|---|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | HOLD | Both gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div A micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div B micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | CLOSE | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| <input type="checkbox"/> | VERIFY | The gate box Gate Reset light is | OFF |
| | RESET | The gate with #15 RC Sweep key | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | RESET |
| <input type="checkbox"/> | VERIFY | The gate box Gate Reset light is | ON |
| | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| <input type="checkbox"/> | VERIFY | The gate box Gate Reset light is | OFF |
| | CLOSE | The gate | |

- ☐ **CHECK** for test acceptance of **TUNNEL DOOR** at **12MD1**

1.11 Test of MAGNET TRANSPORT DOOR at 12MD2

- | | | | |
|--------------------------|----------------|---|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| | OPEN | 12MD2 Left door (LD) | |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 is | OPEN |
| | HOLD | Both LD micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 is | CLOSED |
| | RELEASE | Div A micro switch for LD | |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 Div A | OPEN |
| | HOLD | Both LD micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 is | CLOSED |
| | RELEASE | Div B micro switch for LD | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | CLOSE | 12MD2 left door | |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 is | CLOSED |
| | OPEN | 12MD2 Right door (RD) | |
| <input type="checkbox"/> | VERIFY | MCR sees the 12MD2 is | OPEN |
| | HOLD | Both RD micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 is | CLOSED |
| | RELEASE | Div A micro switch for RD | |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 Div A | OPEN |
| | HOLD | Both RD micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 is | CLOSED |
| | RELEASE | Div B micro switch for RD | |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 Div B | OPEN |
| | CLOSE | RD for 12MD2 | |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 is | CLOSED |
| <input type="checkbox"/> | VERIFY | The 12MD2 Gate Reset light is | OFF |
| | RESET | The gate with #15 RC Sweep key | |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 is | RESET |
| <input type="checkbox"/> | VERIFY | The 12MD2 Gate Reset light is | ON |
| | OPEN | 12MD2 | |
| <input type="checkbox"/> | VERIFY | MCR sees 12MD2 is | OPEN |
| <input type="checkbox"/> | VERIFY | The 12MD2 Gate Reset light is | OFF |
| | CLOSE | 12MD2 | |
| <input type="checkbox"/> | CHECK | for test acceptance of MAGNET TRANSPORT DOOR at 12MD2 | |

1.12 Test of ENTRY GATE at 12GE1

<input type="checkbox"/>	VERIFY	INNER Gate at 12GE1 has been inspected	
<input type="checkbox"/>	PLACE	PEER 13 in Controlled Access (MODE 16)	
<input type="checkbox"/>	VERIFY	PEER 13 is in Controlled Access	MODE 16
<input type="checkbox"/>	VERIFY	The warning light on the inside of the gate indicates:	
<input type="checkbox"/>		CALL MCR FOR EXIT AMBER	ON
<input type="checkbox"/>	VERIFY	The Exterior gate box Controlled Access light is	ON
<input type="checkbox"/>	OPEN	Gate 12GE1 with Simultaneous Release and #14 CA Key	
<input type="checkbox"/>	VERIFY	Simultaneous Release Buzzer	SOUNDS
<input type="checkbox"/>	VERIFY	Gate 12GE1 is	OPEN
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	SECURE	The Electric Strike micro switch	MADE
<input type="checkbox"/>	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	Div A micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div A	OPEN
<input type="checkbox"/>	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	Div B micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div B	OPEN
<input type="checkbox"/>	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	The Electric Strike micro switch	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	CLOSE	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	PLACE	PEER 13 in Restricted Access (MODE 17)	
<input type="checkbox"/>	VERIFY	PEER 13 is in Restricted Access	MODE 17
<input type="checkbox"/>	VERIFY	The Exterior gate box Restricted Access light is	ON
<input type="checkbox"/>	VERIFY	The warning light on the inside of the gate indicates:	
<input type="checkbox"/>		CALL MCR FOR EXIT AMBER	OFF
<input type="checkbox"/>	VERIFY	Attempt to open gate 12GE1 with S key is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open gate 12GE1 with #14 RC CA key is	SUCCESSFUL
<input type="checkbox"/>	CLOSE	Gate 12GE1	
<input type="checkbox"/>	PLACE	PEER 13 in Restricted Access (Mode 8)	
<input type="checkbox"/>	VERIFY	PEER 13 is in Restricted Access	MODE 8
<input type="checkbox"/>	VERIFY	The Exterior gate box Restricted Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights on both sides of the gate indicate:	
<input type="checkbox"/>		CALL MCR FOR EXIT AMBER	OFF
<input type="checkbox"/>	VERIFY	Attempt to open gate 12GE1 with S key is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open gate 12GE1 with #14 RC CA key is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open 12GE1 with Blue card	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open 12GE1 with Expt. _____ card	FAIL
<input type="checkbox"/>	VERIFY	During attempt with Expt. Card Reader light is	RED
<input type="checkbox"/>	PLACE	PEER 13 in Safe Access (Mode 2)	
<input type="checkbox"/>	VERIFY	PEER 13 is in Safe Access	MODE 2

- | | | | |
|--------------------------|---------------|---|--------------|
| <input type="checkbox"/> | VERIFY | The Exterior gate box Controlled Access light is | ON |
| <input type="checkbox"/> | VERIFY | The warning light on inside of the gate indicates: | |
| | | CALL MCR FOR EXIT | AMBER |
| <input type="checkbox"/> | VERIFY | To open gate 12GE1 with Simultaneous Release | ON |
| | | and S Key | FAIL |
| | OPEN | Gate 12GE1 with Simultaneous Release and #14 | |
| | | CA Key | |
| <input type="checkbox"/> | VERIFY | Gate 12GE1 is | OPEN |
| | CLOSE | Gate 12GE1 | |
- ☐ **CHECK** for test acceptance of **ENTRY GATE** at **12GE1**

1.13 Test of Iris Scanner and Local Keytree located at gate 12GE1

- | | | | |
|--------------------------|----------------|--|---------------------|
| | PLACE | PEER 13 in CA , Mode 16 | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in CA | MODE 16 |
| | SCAN | Valid Personnel with Iris Scanner at gate 12GE1 | |
| <input type="checkbox"/> | VERIFY | Valid Personnel is | RECOGNIZED |
| <input type="checkbox"/> | VERIFY | First key in Local keytree at 12GE1 | RELEASED |
| <input type="checkbox"/> | VERIFY | Attempt to enter 12GE1 with first key and SR is | SUCCESSFUL |
| | SCAN | Valid Personnel with Iris Scanner at 12GE1 | |
| <input type="checkbox"/> | VERIFY | Valid Personnel is | RECOGNIZED |
| <input type="checkbox"/> | VERIFY | Attempt to release third key in Local keytree at 12GE1 is | UNSUCCESSFUL |
| | SCAN | Valid Personnel with Iris Scanner at 12GE1 | |
| <input type="checkbox"/> | VERIFY | Valid Personnel is | RECOGNIZED |
| <input type="checkbox"/> | VERIFY | Attempt to release second key in Local keytree at 12GE1 | SUCCESSFUL |
| <input type="checkbox"/> | VERIFY | Attempt to enter 12GE1 with second key and SR is | SUCCESSFUL |
| | REPLACE | First and second keys in local keytree at 12GE1 | |
| <input type="checkbox"/> | VERIFY | First key <input type="checkbox"/> and Second key <input type="checkbox"/> | REPLACED |
| | PLACE | PEER 13 in Controlled Access (XA) , Mode 17 | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in XA | MODE 17 |
| | SCAN | Valid Personnel with Iris Scanner at 12GE1 | |
| <input type="checkbox"/> | VERIFY | Valid Personnel is | RECOGNIZED |
| <input type="checkbox"/> | VERIFY | First key in Local keytree 12GE1 remains | CAPTURED |
| | PLACE | PEER 13 in Restricted Access (Mode 8) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Restricted Access | MODE 8 |
- ☐ **Check** for acceptance of **Test of Iris Scanner and Local Keytree** located at gate **12GE1**

1.14 Test of INNER GATE at 12GI1

<input type="checkbox"/>	VERIFY	INNER Gate at 12GI1 has been inspected	
<input type="checkbox"/>	PLACE	PEER 13 in Controlled Access (MODE 16)	
<input type="checkbox"/>	VERIFY	PEER 13 is in Controlled Access	MODE 16
<input type="checkbox"/>	VERIFY	The warning lights and LED message on both sides of the gate indicate: Stop Call MCR for Access X-7400 Stop	ON
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Controlled Access light is	ON
<input type="checkbox"/>	OPEN	Gate 12GI1 with Simultaneous Release and #14 CA Key	
<input type="checkbox"/>	VERIFY	Simultaneous Release Buzzer	SOUNDS
<input type="checkbox"/>	VERIFY	Gate 12GI1 is	OPEN
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	SECURE	The Electric Strike micro switch	MADE
<input type="checkbox"/>	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	Div A micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div A	OPEN
<input type="checkbox"/>	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	Div B micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div B	OPEN
<input type="checkbox"/>	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	The Electric Strike micro switch	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	CLOSE	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Gate Reset light is	OFF
<input type="checkbox"/>	RESET	The gate with #15 RC Sweep key at 12Z1 inner gate box	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	RESET
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Gate Reset light is	ON
<input type="checkbox"/>	OPEN	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Gate Reset light is	OFF
<input type="checkbox"/>	CLOSE	The gate	
<input type="checkbox"/>	PLACE	PEER 13 in Controlled Access (MODE 17)	
<input type="checkbox"/>	VERIFY	PEER 13 is in Controlled Access	MODE 17
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Controlled Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights and LED message on both sides of the gate indicate: Stop Call MCR for Access X-7400 Stop	ON
<input type="checkbox"/>	VERIFY	Attempt to open gate 12GI1 with #14 RC CA key is	FAIL
<input type="checkbox"/>	VERIFY	Attempt to open 12GI1 with Blue card	FAIL
<input type="checkbox"/>	PLACE	PEER 13 in Restricted Access (Mode 8)	
<input type="checkbox"/>	VERIFY	PEER 13 is in Restricted Access	MODE 8
<input type="checkbox"/>	VERIFY	The 12Z1 gate box Restricted Access light is	ON

- | | | | |
|--------------------------|---------------|---|-------------------|
| <input type="checkbox"/> | VERIFY | The warning lights and LED message on both sides of the gate indicate: Access Permitted | ON |
| <input type="checkbox"/> | VERIFY | Attempt to open gate 12GI1 with S key is | SUCCESSFUL |
| <input type="checkbox"/> | VERIFY | Attempt to open Gate 12GI1 with #14 RC CA key is | SUCCESSFUL |
| <input type="checkbox"/> | VERIFY | Attempt to open 12GI1 with Blue card | SUCCESSFUL |
| <input type="checkbox"/> | VERIFY | Attempt to open 12GI1 with Expt. _____ card | FAIL |
| <input type="checkbox"/> | VERIFY | During attempt with Expt. Card Reader light is | RED |
| | PLACE | PEER 13 in Safe Access (Mode 2) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Safe Access | MODE 2 |
| <input type="checkbox"/> | VERIFY | The 12Z1 gate box Controlled Access light is | ON |
| <input type="checkbox"/> | VERIFY | The warning lights and LED message on both sides of the gate indicate: Stop Call MCR for Access X-7400 Stop | ON |
| | OPEN | Gate 12GI1 with Simultaneous Release and S Key | |
| <input type="checkbox"/> | VERIFY | Attempt to open gate 12GI1 with Simultaneous Release and S Key | FAIL |
| | OPEN | Gate 12GI1 with Simultaneous Release and #14 CA Key | |
| <input type="checkbox"/> | VERIFY | Gate 12GI1 is | OPEN |
| | CLOSE | Gate 12GI1 | |
| <input type="checkbox"/> | CHECK | for test acceptance of INNER GATE at 12GI1 | |

1.15 Test OUTER GATE at 12GI1:

- | | | | |
|--------------------------|----------------|---|----------------|
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning lights on both sides of the gate indicate: CALL MCR FOR CROSSOVER AMBER | ON |
| | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | SECURE | The Electric Strike micro switch | MADE |
| | HOLD | Both of the gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div A micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div B micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | HOLD | Both of the gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | The Electric Strike micro switch | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |

- ☐ **CHECK** for test acceptance of **OUTER GATE** at **12GI1**

1.16 Test ESCAPE DOOR at 12EL1:

- | | | | |
|--------------------------|----------------|---|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The door cannot be opened from the outside | |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| | SECURE | The Security Bar micro switch | MADE |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div A door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div B door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | The Security Bar micro switch | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| | CLOSE | The door and latch the Security Bar | |
| <input type="checkbox"/> | VERIFY | The 12EL1 Door Reset light is | OFF |
| | RESET | The Door with #15 RC Sweep key at 12EL1 gate box | |
| <input type="checkbox"/> | VERIFY | MCR sees the 12EL1 door is | RESET |
| <input type="checkbox"/> | VERIFY | The 12EL1 Door Reset light is | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| <input type="checkbox"/> | VERIFY | The 12EL1 gate box Gate Reset light is | OFF |
| | CLOSE | The door | |
- ☐ **CHECK** for test acceptance of **ESCAPE DOOR** at **12EL1**

1.17 Test of EXIT DOOR 12ED1

- | | | | |
|--------------------------|--------------------------|--|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| <input type="checkbox"/> | VERIFY | The door cannot be opened from the outside | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Restricted Access | MODE 8 |
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning light inside the gate indicates: | |
| | CALL MCR FOR EXIT | AMBER | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | Div A door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | Div B door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | CLOSE | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| <input type="checkbox"/> | VERIFY | The 12ED1 Door Reset light is | OFF |
| | RESET | The Door with #15 RC Sweep key at 12ED1 gate box | |
| <input type="checkbox"/> | VERIFY | MCR sees the 12ED1 door is | RESET |
| <input type="checkbox"/> | VERIFY | The 12ED1 Door Reset light is | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| <input type="checkbox"/> | VERIFY | The 12ED1 gate box Gate Reset light is | OFF |
| | CLOSE | The door | |
| <input type="checkbox"/> | CHECK | for test acceptance of ESCAPE DOOR at 12ED1 | |

1.18 Test INNER GATE at 1GS1

- | | | | |
|--------------------------|---------------|---|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| | PLACE | PEER 11 in Restricted Access (Mode 8) | |
| <input type="checkbox"/> | VERIFY | PEER 11 is in Restricted Access | MODE 8 |
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning lights and LED message on both sides of the gate indicate: Stop Call MCR for Access X-7400 Stop | ON |
| | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | CLOSE | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| <input type="checkbox"/> | CHECK | for test acceptance of INNER GATE at 1GS1 | |

1.19 Test OUTER GATE at 1GS1

- | | | | |
|--------------------------|---------------|---|----------------|
| | PLACE | PEER 13 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning light on the both sides of the gate indicates: | ON |
| | | CALL MCR FOR CROSSOVER AMBER | |
| <input type="checkbox"/> | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | CLOSE | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
- ☐ **CHECK** for test acceptance of **OUTER GATE** at **1GS1**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____